

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|--------------------|------------------|---------|------------------|
| L1 | 999 | 726/26.ccls. | US-PGPUB; USPAT | OR | ON | 2006/03/01 17:36 |
| L2 | 101 | 726/26.ccls. and @ad<"19981201" | US-PGPUB; USPAT | OR | ON | 2006/03/01 17:37 |
| L3 | 3 | ((application or software) adj2(id or identification or value)) same ("device id" or "device identification" or "serial no" or "srial number") and ("713"/.ccls. or "380"/.ccls.) and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2006/03/01 17:52 |
| S5 | 1 | US-4896319-\$.DID. | US-PGPUB; USPAT | OR | ON | 2006/03/01 17:36 |
| S7 | 61 | ("5838812" "5724423" "5175766")".pn" | US-PGPUB; USPAT | OR | ON | 2005/10/20 07:28 |
| S9 | 1 | ("5478994").PN. | US-PGPUB; USPAT | OR | OFF | 2005/04/22 10:03 |
| S10 | 6 | ((("5175766") or ("5838812") or ("4896319") or ("5724423") or ("5661806") or ("5577121"))).PN. | US-PGPUB; USPAT | OR | OFF | 2005/04/22 10:05 |
| S11 | 4 | ((("5838812") or ("5724423") or ("4896319") or ("5175766"))).PN. | US-PGPUB; USPAT | OR | OFF | 2004/12/09 15:10 |
| S12 | 181 | 380/241.ccls. and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/13 14:01 |
| S14 | 23 | (device or "set-top box" or "set top box") with ("serial no" or "serial number" or id or identification) and 380/241.ccls. and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/09 15:24 |
| S15 | 5 | (device or "set-top box" or "set top box") near3 ("serial no" or "serial number" or id or identification) and 380/241.ccls. and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/09 15:27 |
| S17 | 100 | (device or "set-top box" or "set top box") near3 ("serial no" or "serial number" or id or identification) with (encryption) and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/09 15:37 |
| S31 | 10 | ("message authentication" or mac) with network with ("device id" or "device identification" or "serial no" or "srial number") and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/09 16:07 |
| S32 | 22 | ("message authentication" or mac) with ("device id" or "device identification" or "serial no" or "srial number") and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/09 16:12 |

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| S34 | 3 | (message adj2 generat\$3) with ("device id" or "device identification" or "serial no" or "srial number") and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/09 16:14 |
| S36 | 1 | (pc or computer) with ("card reader") with ((smart\$1card or smartcard) with (processor or mcu or microprocessor)) and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/09 16:22 |
| S37 | 7 | ("card reader") with ((smart\$1card or smartcard) with (processor or mcu or microprocessor)) and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/09 16:22 |
| S38 | 1 | "5828851".pn. | US-PGPUB; USPAT | OR | ON | 2004/12/10 15:09 |
| S39 | 3 | secure adj2 message and 380/241. ccls. and @ad<"19981101." | US-PGPUB; USPAT | OR | ON | 2004/12/10 15:09 |
| S41 | 1 | ("device id" or "device identification" or "serial no" or "srial number") same("application id" or "application identif") and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/10 15:38 |
| S42 | 245 | network with ("device id" or "device identification" or "serial no" or "srial number") and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/10 15:38 |
| S44 | 10 | network with ("device id" or "device identification" or "serial no" or "srial number") with (mac or "message authentication code" or "keyed hash") and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2005/05/04 14:56 |
| S48 | 22 | (combin\$3 with (message or address)) and 380/241 and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2005/05/04 16:33 |
| S52 | 17 | message with (source adj2 authenticat\$3)and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/10 16:26 |
| S53 | 29 | 713/154.ccls. and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/10 16:28 |
| S54 | 144 | (transmit\$3 and receive\$3) with (secure near3 (message or packet or data)) and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/10 16:30 |
| S55 | 15 | (transmit\$3 and receive\$3) with (secure near3 (message or packet or data)) with network and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/10 16:31 |
| S56 | 105 | (transmit\$3 and receive\$3) with ((message or packet or data) near3 identification) with network and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/10 16:32 |

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| S60 | 1 | (combin\$3 with (address with (message adj2 block))) and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/13 09:11 |
| S61 | 93 | (online or internet) with (secure adj2 transaction) and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/13 15:47 |
| S63 | 12 | (secure with (message adj2 block)) and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/13 09:12 |
| S68 | 317 | (" message block") same address and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/13 11:11 |
| S70 | 169 | (" message block") with address and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/13 11:11 |
| S71 | 1 | (" message block") with address with (device with (id or identification or "serial no" or "serial number")) and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/13 11:13 |
| S72 | 2 | (" message block") with address same (device with (id or identification or "serial no" or "serial number")) and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/13 11:14 |
| S73 | 83 | (secure with (("credit card" or pos or "point of sale" or ecommerce) near3 transaction)) and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/13 11:16 |
| S74 | 32 | S73 and (device with (id or identification or "serial no" or "serial number")) | US-PGPUB; USPAT | OR | ON | 2004/12/13 11:16 |
| S77 | 89 | (message same (integrity and confidentiality)) and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/13 11:27 |
| S78 | 56 | (message with (integrity and confidentiality)) and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/13 11:59 |
| S80 | 26 | (secur\$3 with "message block") and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/13 12:09 |
| S86 | 0 | (online or internet) with (secure adj2 transaction) with (("addressing data")) and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2005/05/05 10:53 |
| S87 | 2 | (online or internet) with (secure adj2 transaction) with (("address")) and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/13 13:50 |
| S88 | 121 | (online or internet) with (secure\$3 with (transmit\$3 or receiv\$3)) and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/13 13:51 |

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|------|------|--|-----------------|----|----|------------------|
| S89 | 1 | (online or internet) with (secure\$3 with (transmit\$3 or receiv\$3)) with message with address and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/13 13:53 |
| S90 | 1 | (online or internet) with (secure\$3 with (transmit\$3 or receiv\$3)) with (message or packet or data) with address and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/13 13:53 |
| S91 | 50 | (online or internet) with (secure\$3 with (transmit\$3 or receiv\$3)) with (message or packet or data) and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/13 13:54 |
| S92 | 13 | (combin\$3 with ("address data" or address or ((source or destination) near3 address))) and 380/241.ccls. and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/13 14:07 |
| S93 | 13 | (combin\$3 with ("address data" or address or "packet address" or ((source or destination) near3 address))) and 380/241.ccls. and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/13 14:20 |
| S94 | 8070 | (combin\$3 with ("address data" or address or "packet address" or ((source or destination) near3 address))) and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/13 14:08 |
| S95 | 35 | (combin\$3 with ("address data" or address or "packet address" or ((source or destination) near3 address))) and 713/200-201.ccls. and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/13 14:21 |
| S96 | 13 | (combin\$3 with ("address data" or address or "ip address" or "packet address" or ((source or destination) near3 address))) and 380/241.ccls. and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/13 14:20 |
| S97 | 35 | (combin\$3 with ("address data" or address or "ip address" or "packet address" or ((source or destination) near3 address))) and 713/200-201.ccls. and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/13 15:44 |
| S98 | 1 | "5838812".pn. | US-PGPUB; USPAT | OR | ON | 2004/12/13 15:27 |
| S99 | 1 | "5661806".pn. | US-PGPUB; USPAT | OR | ON | 2004/12/13 15:36 |
| S100 | 599 | "ip header" and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/13 15:36 |
| S101 | 0 | S86 and S100 | US-PGPUB; USPAT | OR | ON | 2004/12/13 15:36 |

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|----------|------|---|--------------------|----|----|------------------|
| S10 2 | 274 | "ip header" with address and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/13 15:37 |
| S10 3 | 0 | "ip header" with address and 380/241.ccls. and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/13 15:37 |
| S10 4 | 35 | (combin\$3 with ("address data" or address or "ip header" or "ip address" or "packet address" or ((source or destination) near3 address))) and 713/200-201.ccls. and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/13 15:45 |
| S10 7 | 7 | (secure adj2 transaction) same ("ip header" or "ip address") and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/13 15:49 |
| S10 8 | 181 | 380/241.ccls. and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/13 15:51 |
| S10 9 | 4665 | ("addressing data" or "ip address" or "ip header") with ((source and destination) near3 address) and @ad<"19981101." | US-PGPUB; USPAT | OR | ON | 2004/12/13 16:41 |
| S11 1 | 3 | ("addressing data" or "ip address" or "ip header") with ((source and destination) near3 address) same (message near3 (authentication or integrity)) and @ad<"19981101." | US-PGPUB; USPAT | OR | ON | 2004/12/13 16:46 |
| S11 2 | 4 | ("addressing data" or "ip address" or "ip header") with ((source and destination) near3 address) with (ecommerce or "electronic commerce" or pos) and @ad<"19981101." | US-PGPUB; USPAT | OR | ON | 2004/12/13 16:48 |
| S11 5 | 5 | ("addressing data" or "ip address" or "ip header") with ((source and destination) near3 address) same (ecommerce or "electronic commerce" or pos or "point of sale") and @ad<"19981101." | US-PGPUB; USPAT | OR | ON | 2004/12/13 16:48 |
| S12 1 | 61 | ("5838812" "5724423" "5175766") | US-PGPUB; USPAT | OR | ON | 2004/12/14 13:11 |
| S12 2 | 7 | (combin\$3 or unite or join\$3) with (address or "ip address" or "ip header") with (device adj2 (id or identification or code or "serial no" or "serial number")) and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/14 13:17 |

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|----------|----|---|--------------------|----|----|------------------|
| S12 3 | 7 | (combin\$3 or unite or join\$3) with (address or "ip address" or "ip header" or ((source or destination) near3 address)) with (device adj2 (id or identification or code or "serial no" or "serial number")) and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/14 13:18 |
| S12 4 | 1 | (combin\$3 or unite or join\$3) with ("ip address" or "ip header" or ((source or destination) near3 address)) with (device adj2 (id or identification or code or "serial no" or "serial number")) and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/14 13:19 |
| S12 5 | 1 | (combin\$3 or unite or join\$3) with ("ip address" or "ip header" or ((source or destination) near3 address)) same (device adj2 (id or identification or code or "serial no" or "serial number")) and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/14 14:03 |
| S12 6 | 2 | (combin\$3 or unite or join\$3) with ("ip address" or "ip header" or ((source or destination) near3 address)) same (device near3 (id or identification or code or "serial no" or "serial number")) and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/14 13:40 |
| S12 7 | 15 | (combin\$3 or unite or join\$3 or add\$3) with ("ip address" or "ip header" or ((source or destination) near3 address)) same (device near3 (id or identification or code or "serial no" or "serial number")) and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/14 14:19 |
| S13 0 | 94 | ("ip address" or "ip header" or ((source or destination) near3 address)) same (device adj2 (id or identification or code or "serial no" or "serial number")) and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/14 14:07 |
| S13 1 | 5 | ("ip address" or "ip header" or ((source or destination) near3 address)) same (device adj2 (id or identification or code or "serial no" or "serial number")) and @ad<"19981101" and (380/241.ccls. or 713/200-201.ccls.) | US-PGPUB; USPAT | OR | ON | 2004/12/14 14:09 |

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|----------|-----|--|--------------------|----|----|------------------|
| S13 3 | 1 | ("ip address" or "ip header" or ((source or destination) near3 address)) same (device adj2 (id or identification or code or "serial no" or "serial number")) with (combin\$3 or join\$3 or "add together" or unite or "put together") and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/14 14:10 |
| S13 4 | 15 | (combin\$3 or unite or join\$3 or add\$3 or integrate) with ("ip address" or "ip header" or ((source or destination) near3 address)) same (device near3 (id or identification or code or "serial no" or "serial number")) and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/14 14:19 |
| S13 5 | 1 | "5478994".pn. | US-PGPUB; USPAT | OR | ON | 2004/12/14 14:31 |
| S13 6 | 1 | "5828851".pn. | US-PGPUB; USPAT | OR | ON | 2004/12/14 14:32 |
| S13 7 | 1 | "5577121".pn. | US-PGPUB; USPAT | OR | ON | 2004/12/14 14:43 |
| S13 8 | 1 | "5724423".pn. | US-PGPUB; USPAT | OR | ON | 2004/12/14 14:44 |
| S13 9 | 1 | (combin\$3) with ("source address" or "destination address" or "ip address" or "ip header") with (device with (id or identification or "serial number" or "serial no" or code)) and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/14 14:49 |
| S14 0 | 44 | (combin\$3) with ("source address" or "destination address" or "ip address" or "ip header") and (device with (id or identification or "serial number" or "serial no" or code)) and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/14 16:39 |
| S14 1 | 2 | (combin\$3) with ("source address" or "destination address" or "ip address" or "ip header") same (device with (id or identification or "serial number" or "serial no" or code)) and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/14 16:01 |
| S14 7 | 244 | (secur\$3 with (ecommerce or "electronic commerce" or "online transaction" or "internet transaction" or "point of sale")) and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/14 16:30 |
| S15 2 | 284 | (reception or transmission) with (secur\$3 near3 message) and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/14 16:32 |

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|----------|-------|--|--------------------|----|----|------------------|
| S15 4 | 3 | (reception or transmission) with (secur\$3 near3 message) with (device with (id or identification or code or "serial no" or "serial number")) and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/14 16:32 |
| S15 5 | 46697 | (device with (id or identification or "serial number" or "serial no" or code)) and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/14 16:38 |
| S15 6 | 44 | (device with (id or identification or "serial number" or "serial no" or code)) and 380/241.ccls. and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/14 16:39 |
| S15 7 | 158 | (combin\$3) with ("source address" or "destination address" or "ip address" or "ip header") and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/16 09:31 |
| S15 8 | 44 | S155 and S157 | US-PGPUB; USPAT | OR | ON | 2004/12/14 16:40 |
| S15 9 | 2508 | authentikat\$3 with (device or application) and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/16 09:28 |
| S16 0 | 7 | authentikat\$3 with (device or application) and 380/241.ccls. and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2005/10/19 19:22 |
| S16 1 | 3 | authentikat\$3 with (device) and 380/241.ccls. and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/16 09:29 |
| S16 2 | 391 | authentikat\$3 adj2 (device) and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/16 09:29 |
| S16 3 | 46 | (combin\$3) with ("ip address" or "ip header") and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/16 09:32 |
| S16 4 | 1 | (combin\$3) with ("ip address" or "ip header") with (device adj2 (id or identification or "serial no" or "serial number")) and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/16 09:33 |
| S16 5 | 1 | (combin\$3) with ("ip address" or "ip header") with (device near2 (id or identification or "serial no" or "serial number")) and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/16 09:34 |
| S16 8 | 15 | (combin\$3 or unit\$3 or add\$3 or join\$3) with ("ip address" or "ip header") same (device with (id or identification or "serial no" or "serial number")) and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2004/12/16 09:38 |

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|------|------|--|-----------------|----|-----|------------------|
| S169 | 1 | (generat\$4 or creat\$4 or produc\$4) with (device near3 (id or identification or (serial adj2 (no or number))) with (application adj2 value)) same ((application or message) near3 value) | US-PGPUB; USPAT | OR | ON | 2005/04/18 14:47 |
| S170 | 1 | (generat\$4 or creat\$4 or produc\$4) same (device near3 (id or identification or (serial adj2 (no or number))) with (application adj2 value)) same ((application or message) near3 value) | US-PGPUB; USPAT | OR | ON | 2005/04/18 14:48 |
| S173 | 48 | ((("4956863") or ("4797920") or ("6044468") or ("6163841") or ("6209093") or ("6711677") or ("6367014") or ("6226749") or ("6226749") or ("6029150") or ("4935962") or ("6851054") or ("6880079") or ("6052070") or ("5774550") or ("5604801") or ("6233687") or ("4924515") or ("5201000") or ("5293576") or ("5590196") or ("5796841") or ("6026293") or ("6134328") or ("6424718") or ("6493823") or ("6553351") or ("6226382") or ("6226382") or ("5644639") or ("6430407") or ("6630928") or ("6170061") or ("5371794") or ("5982896") or ("6058193") or ("RE36946") or ("5684988") or ("5916306") or ("6047332") or ("5905908") or ("6366967") or ("4850017") or ("4947428") or ("5440634") or ("5680458") or ("5708710") or ("6157633") or ("6771634") or ("5809140"))).PN. | US-PGPUB; USPAT | OR | OFF | 2005/04/22 09:24 |
| S174 | 1 | ("6418421").PN. | US-PGPUB; USPAT | OR | OFF | 2005/04/22 09:31 |
| S176 | 1 | ("6226618").PN. | US-PGPUB; USPAT | OR | OFF | 2005/04/22 09:34 |
| S177 | 3537 | 713/201.ccls. | US-PGPUB; USPAT | OR | ON | 2006/03/01 17:52 |
| S178 | 2958 | 713/200.ccls. | US-PGPUB; USPAT | OR | ON | 2005/04/22 10:05 |
| S179 | 1 | 713/200.ccls. and ((device near3 (id or identification or "serial no" or "serial number")) with ((application or software) near3 (id or identification)) with ((application or software) near3 value)) | US-PGPUB; USPAT | OR | ON | 2005/04/22 10:10 |

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|----------|-----|---|---|----|----|------------------|
| S18 0 | 11 | (hash\$4 or encrypt\$4 or encipher\$4 or encod\$4) same ((device adj2 (id or identification or "serial no" or "serial number")) with (((application or software) adj2 (id or identification)) or (transaction near3 number)) with (((application or software) adj2 value) or date or time)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/29 15:16 |
| S18 1 | 60 | ((device adj2 (id or identification or "serial no" or "serial number")) with (((application or software) adj2 (id or identification)) or (transaction near3 number)) with (((application or software) adj2 value) or date or time)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/29 15:17 |
| S18 2 | 51 | ((device adj2 (id or identification or "serial no" or "serial number")) with (((application or software) adj2 (id or identification)) or (transaction near3 number)) with (((application or software) adj2 value) or date or time)) and (hash\$4 or encrypt\$4 or encipher\$4 or encod\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/04/29 15:18 |
| S18 3 | 404 | 713/170.ccls. | US-PGPUB; USPAT | OR | ON | 2005/05/03 10:32 |
| S18 6 | 10 | ("713"/.ccls. or "380"/.ccls.) and (generat\$4 near3 hash\$3 with (device near3 (id or identification or "serial number" or "serial no"))) | US-PGPUB; USPAT | OR | ON | 2005/05/03 09:31 |
| S18 7 | 1 | ("713"/.ccls. or "380"/.ccls.) and (generat\$4 near3 hash\$3 with (device near3 (id or identification or "serial number" or "serial no"))) same ((application or software) adj2 (id or identification)) | US-PGPUB; USPAT | OR | ON | 2005/05/03 09:32 |
| S18 8 | 3 | (generat\$4 near3 hash\$3 with (device near3 (id or identification or "serial number" or "serial no"))) same (sign\$4 or signature or "digital signature") same (encrypt\$4 or encod\$4 or encipher\$4) | US-PGPUB; USPAT | OR | ON | 2005/05/03 10:23 |
| S18 9 | 3 | (generat\$4 near3 hash\$3 with (device near3 (id or identification or "serial number" or "serial no"))) same (sign\$4 or signature or "digital signature") same (encrypt\$4 or encod\$4 or encipher\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/03 10:23 |
| S19 0 | 1 | "5164988".PN. | USPAT; USOCR | OR | ON | 2005/05/03 10:27 |

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|----------|-----|---|---|----|----|------------------|
| S19 3 | 9 | "713"/.cccls. and (generat\$4 near3 hash\$3 with (device near3 (id or identification or "serial number" or "serial no")))) | US-PGPUB; USPAT | OR | ON | 2005/05/03 10:33 |
| S19 4 | 4 | "713"/.cccls. and (generat\$4 near3 hash\$3 with (device near3 (id or identification or "serial number" or "serial no")) and ((application or software) near3 (id or identification)) and (((application or software) near3 value) or date or time or time\$1stamp)) | US-PGPUB; USPAT | OR | ON | 2005/05/03 10:36 |
| S19 6 | 201 | head\$4 same (address with (device near3 (id or identification or "serial number" or "serial no")))) | US-PGPUB; USPAT | OR | ON | 2005/05/03 14:48 |
| S19 8 | 12 | head\$4 same (address with (device near3 (id or identification or "serial number" or "serial no")))) and ((application or software) near3 (id or identification)) and (((application or software) near3 value) or date or time or time\$1stamp) | US-PGPUB; USPAT | OR | ON | 2005/05/03 14:52 |
| S19 9 | 12 | head\$4 same (address with (device near3 (id or identification or "serial number" or "serial no")))) and ((application or software) near3 (id or identification)) and (((application or software) near3 value) or date or time or time\$1stamp) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/03 15:14 |
| S20 1 | 2 | wo-9832260-\$.did. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/03 15:17 |
| S20 2 | 404 | 713/170.cccls. | US-PGPUB; USPAT | OR | ON | 2005/05/04 10:18 |
| S20 3 | 83 | 713/170.cccls. and @ay<"1998" | US-PGPUB; USPAT | OR | ON | 2005/05/04 10:14 |
| S20 5 | 21 | combin\$4 with ((address or "ip header") with (device adj2 (id or identification or "serial no" or "serial number")))) | US-PGPUB; USPAT | OR | ON | 2005/05/04 11:59 |
| S20 6 | 3 | combin\$4 with ((address or "ip header") with (device adj2 (id or identification or "serial no" or "serial number")))) and @ad<"19981201" | US-PGPUB; USPAT | OR | ON | 2005/05/04 12:07 |

EAST Search History

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|----------|------|--|---|----|-----|------------------|
| S20 7 | 672 | ((address or "ip header") with (device adj2 (id or identification or "serial no" or "serial number"))) and @ad<"19981201" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/04 12:09 |
| S20 8 | 7 | combin\$4 same ((address or "ip header") with (device adj2 (id or identification or "serial no" or "serial number"))) and @ad<"19981201" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/05/04 12:08 |
| S21 1 | 10 | network with ("device id" or "device identification" or "serial no" or "srial number") with (mac or "message authentication code" or "keyed hash") and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2005/05/04 14:56 |
| S21 2 | 2 | (combin\$3 with (message or address)) and 380/241 and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2005/05/04 16:49 |
| S22 2 | 1 | ("6170061").PN. | US-PGPUB; USPAT | OR | OFF | 2005/05/05 10:56 |
| S22 4 | 1309 | 713/176.ccls. | US-PGPUB; USPAT | OR | ON | 2005/05/05 10:56 |
| S22 5 | 319 | 713/176.ccls. and (secur\$4 with message) | US-PGPUB; USPAT | OR | ON | 2005/05/05 10:57 |
| S22 6 | 170 | 713/170.ccls. and (secur\$4 with message) | US-PGPUB; USPAT | OR | ON | 2005/10/20 06:58 |
| S22 7 | 42 | ((application or software) adj2 value) and "380"/.ccls. and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2005/10/19 19:23 |
| S22 8 | 124 | ((application or software) adj2 (id or identification or value)) and "380"/.ccls. and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2005/10/19 19:23 |
| S22 9 | 2 | ((application or software) adj2 (id or identification or value)) same ("device id" or "device identification" or "serial no" or "srial number")and "380"/.ccls. and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2005/10/19 19:27 |
| S23 0 | 24 | ((application or software) same (id or identification or value)) same ("device id" or "device identification" or "serial no" or "srial number")and "380"/.ccls. and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2005/10/19 19:28 |

EAST Search History

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|----------|-----|--|------------------------------|----|----|------------------|
| S23 1 | 3 | ((application or software) adj2(id or identification or value)) same ("device id" or "device identification" or "serial no" or "srial number")and ("713"/.ccls. or "380"/.ccls.) and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2005/10/19 19:32 |
| S23 2 | 35 | ("5483658").URPN. | USPAT | OR | ON | 2005/10/19 19:31 |
| S23 3 | 3 | ((application or software) adj2(id or identification or value)) same ("device id" or "device identification" or "serial no" or "srial number") and ("713"/.ccls. or "380"/.ccls.) and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2005/10/19 19:33 |
| S23 4 | 1 | ((application or software) adj2(id or identification or value)) same ("device id" or "device identification" or "serial no" or "srial number") and ("713"/.ccls.) and @ad<"19981101" | US-PGPUB; USPAT | OR | ON | 2005/10/19 19:33 |
| S23 5 | 1 | 713/170.ccls. and (((application or software) adj2 value) same "digital signature") | US-PGPUB; USPAT | OR | ON | 2005/10/20 07:47 |
| S23 6 | 3 | ("5604807" "6272631" "6470450").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/10/20 07:02 |
| S23 7 | 0 | 713/170.ccls. and (((application or software) adj2 value) same (secur\$4 adj2 message)) | US-PGPUB; USPAT | OR | ON | 2005/10/20 07:08 |
| S23 8 | 0 | 713/170,176.ccls. and (((application or software) adj2 value) same (secur\$4 adj2 message)) | US-PGPUB; USPAT | OR | ON | 2005/10/20 07:08 |
| S23 9 | 651 | 713/170, "176".ccls. and (((application or software) adj2 value) same "digital signature") | US-PGPUB; USPAT | OR | ON | 2005/10/20 07:08 |
| S24 0 | 5 | 713/170,176.ccls. and (((application or software) adj2 value) same "digital signature") | US-PGPUB; USPAT | OR | ON | 2005/10/20 07:08 |
| S24 1 | 6 | 09/067176 | US-PGPUB; USPAT | OR | ON | 2005/10/20 08:13 |
| S24 2 | 1 | S241 and (device near3 id) | US-PGPUB; USPAT | OR | ON | 2005/10/20 07:32 |
| S24 3 | 6 | S241 and (id) | US-PGPUB; USPAT | OR | ON | 2005/10/20 07:32 |
| S24 4 | 7 | 713/170.ccls. and (((application or software or transation) adj2 (value or id or identification)) same "digital signature") | US-PGPUB; USPAT | OR | ON | 2005/10/20 07:48 |

EAST Search History

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| S24 5 | 45 | "713"/.ccls. and (((application or software or transation) adj2 (value or id or identification)) same "digital signature") | US-PGPUB; USPAT | OR | ON | 2005/10/20 07:48 |
| S24 6 | 7 | "713"/.ccls. and (((application or software or transation) adj2 (value or id or identification)) same "digital signature") and @ad<"19981201" | US-PGPUB; USPAT | OR | ON | 2005/10/20 08:01 |
| S24 7 | 24 | ((application or software or transation) adj2 (value or id or identification)) same (device adj2 (id or identification or serial)) and @ad<"19981201" | US-PGPUB; USPAT | OR | ON | 2005/10/20 08:01 |
| S24 8 | 1 | ("5917913").PN. | US-PGPUB; USPAT | OR | OFF | 2005/10/20 08:13 |
| S24 9 | 23 | ("5956404").URPN. | USPAT | OR | ON | 2005/10/20 08:54 |
| S25 0 | 5 | ((("5764789") or ("5838812") or ("5724423") or ("4896319") or ("5175766"))).PN. | US-PGPUB; USPAT | OR | OFF | 2005/10/20 09:36 |
| S25 1 | 2 | wo-9829983-\$.did. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/20 09:47 |